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NO. 7044 P. 1

JUN 28 2007

FAX TRANSMISSION

DATE: June 28, 2007

PTO IDENTIFIER: Application Number 10/593,809-Conf. #4923
Patent Number
Inventor: Prabhat Kumar et al.

MESSAGE TO: US Patent and Trademark Office

FAX NUMBER: (571) 273-8300

FROM: CONNOLLY BOVE LODGE & HUTZ LLP

Aaron R. Ettelman

PHONE: (302) 658-9141

Attorney Dkt. #: 13194-00048-US

PAGES (including Cover Sheet): 11

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 Response to Notification of Missing Requirements (1 page)
 Copy of Notification of Missing Requirements (2 pages)
 Declaration for Utility or Design Patent Application (37 CFR 1.63) (4 pages)
 Charge \$250.00 to deposit account 03-2775
 Certificate of Transmission (1 page)

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548297_1

Application No. (if known): 10/593,809

Attorney Docket No.: 13194-00048-US

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on June 28, 2007
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Fee Transmittal (1 page)

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NO. 7044 P. 3

JUN 28 2007

PTO/SB/17 (06-07)

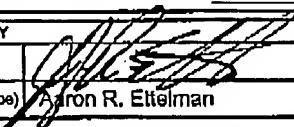
Approved for use through 08/30/2007. OMB 0651-0032
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it displays a valid OMB control number.

<i>Effective on 12/08/2004. Fee pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).</i>		<i>Complete if Known</i>	
FEES TRANSMITTAL For FY 2007		Application Number	10/593,809-Conf. #4923
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Filing Date	September 20, 2006
TOTAL AMOUNT OF PAYMENT (\$ 250.00)		First Named Inventor	Prabhat Kumar
		Examiner Name	Not Yet Assigned
		Art Unit	N/A
		Attorney Docket No.	13194-00048-US

METHOD OF PAYMENT (check all that apply)					
<input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> None <input type="checkbox"/> Other (please identify): _____					
<input checked="" type="checkbox"/> Deposit Account Deposit Account Number: <u>03-2775</u> Deposit Account Name: <u>Connolly Bove Lodge & Hutz LLP</u>					
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)					
<input type="checkbox"/> Charge fee(s) indicated below			<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee		
<input checked="" type="checkbox"/> Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17			<input checked="" type="checkbox"/> Credit any overpayments		

FEE CALCULATION							
1. BASIC FILING, SEARCH, AND EXAMINATION FEES							
<u>Application Type</u>	FILING FEES		SEARCH FEES		EXAMINATION FEES		
	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fees Paid (\$)</u>
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____
2. EXCESS CLAIM FEES							
<u>Fee Description</u>							
Each claim over 20 (including Reissues) <u>Fee (\$)</u> <u>Fee (\$)</u>							
Each independent claim over 3 (including Reissues) <u>Fee (\$)</u> <u>Fee (\$)</u>							
Multiple dependent claims <u>Fee (\$)</u> <u>Fee (\$)</u>							
Total Claims <u>Extra Claims</u> <u>Fee (\$)</u> <u>Fee Paid (\$)</u>							
- 20 = <u>x</u> = _____ HP = highest number of total claims paid for, if greater than 20.							
Indep. Claims <u>Extra Claims</u> <u>Fee (\$)</u> <u>Fee Paid (\$)</u>							
- 3 = <u>x</u> = _____ HP = highest number of independent claims paid for, if greater than 3.							
3. APPLICATION SIZE FEE							
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							
Total Sheets <u>Extra Sheets</u> <u>Number of each additional 50 or fraction thereof</u> <u>Fee (\$)</u> <u>Fee Paid (\$)</u>							
- 100 = /50 = (round up to a whole number) x = _____							
4. OTHER FEE(S)							
Non-English Specification, \$130 fee (no small entity discount)							
Other (e.g., late filing surcharge): 1251 Extension for response within first month <u>Fee (\$)</u> <u>Fee Paid (\$)</u>							
1051 Surcharge-Late oath or declaration <u>Fee (\$)</u> <u>Fee Paid (\$)</u>							

SUBMITTED BY	
Signature	
Name (P/In/Type)	Registration No. (Attorney/Agent) <u>42,518</u> Telephone <u>(302) 658-9141</u>
Name (P/In/Type) <u>Aaron R. Etelman</u> Date <u>June 28, 2007</u>	

07/03/2007 GFREY1 0000099 032775 10593809
 01 FC:1251 120.00 DA
 02 FC:1617 130.00 DA

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JUN 28 2007

Docket No.: 13194-00048-US
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Prabhat Kumar et al.

Conf. No.: 4923

Application No.: 10/593,809

Group Art Unit: N/A

Filed: September 20, 2006

Examiner: Not Yet Assigned

For: METHODS OF FORMING ALPHA AND
BETA TANTALUM FILMS WITH
CONTROLLED AND NEW
MICROSTRUCTURES

MS PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

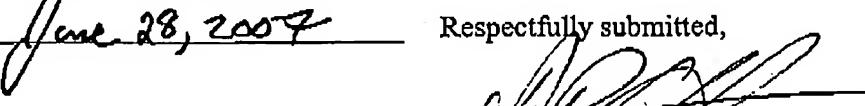
RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C.
371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

In response to the Notification of Missing Requirements Under 35 U.S.C. 371 in the United States Designated/Elected Office (DO/EO/US) mailed April 4, 2007 (enclosed herewith), Applicant respectfully submits the Declaration for Utility or Design Patent Application (37 CFR 1.63).

Please charge our Deposit Account No. 03-2775 in the amount of \$250.00 covering the fees set forth in 37 CFR 1.17(a)(1) and 1.16(f). The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 03-2775, under Order No. 13194-00048-US.

Dated: June 28, 2007

Respectfully submitted,

By 
Aaron R. Ettelman

Registration No.: 42,516
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JUN 28 2007



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U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/593,809	Jagdish Narayan	CH8498US/CH04-27US
INTERNATIONAL APPLICATION NO.		PCT/US05/09763
I.A. FILING DATE		PRIORITY DATE
03/24/2005		03/24/2004
CONFIRMATION NO. 4923		
371 FORMALITIES LETTER		
 OC000000023235092		

Date Mailed: 04/04/2007

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.496).

- Copy of the International Application filed on 09/20/2006
- Copy of the International Search Report filed on 09/20/2006
- Information Disclosure Statements filed on 09/20/2006
- Request for Immediate Examination filed on 09/20/2006
- U.S. Basic National Fees filed on 09/20/2006
- Priority Documents filed on 09/20/2006

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$130 for a Large Entity:

- \$130 Surcharge.

APR 1 2007

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ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.
<https://spotal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

CHARITTA A BURT

Telephone: (703) 308-9140 EXT 207

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/593,809	PCT/US05/09763	CH8498US/CH04-27US

FORM PCT/DO/EO/905 (371 Formalities Notice)